Datasheet for ABIN362560

anti-MEF2A antibody (AA 317-321)

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Overview

Quantity:	100 µL
Target:	MEF2A
Binding Specificity:	AA 317-321
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MEF2A antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

Immunogen:	Peptide sequence around AA 317-321 (V-T-T-P-S) derived from Human MEF2A. Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates.
Isotype:	IgG
Specificity:	The antibody detects endogenous level of total MEF2A protein.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	MEF2A
Alternative Name:	MEF2A (MEF2A Products)

Target Details

Background:	The process of differentiation from mesodermal precursor cells to myoblasts has led to the discovery of a variety of tissue-specific factors that regulate muscle gene expression. The myogenic basic helix-loop-helix proteins, including myoD (MIM 159970), myogenin (MIM 159980), MYF5 (MIM 159990), and MRF4 (MIM 159991) are one class of identified factors. A second family of DNA binding regulatory proteins is the myocyte-specific enhancer factor-2 (MEF2) family. Each of these proteins binds to the MEF2 target DNA sequence present in the regulatory regions of many, if not all, muscle-specific genes. The MEF2 genes are members of the MADS gene family (named for the yeast mating type-specific transcription factor MCM1, the plant homeotic genes 'agamous' and 'deficiens' and the human serum response factor SRF (MIM 600589)), a family that also includes several homeotic genes and other transcription factors, all of which share a conserved DNA-binding domain
Molecular Weight:	54 kDa
NCBI Accession:	NP_001124
UniProt:	Q02078
Pathways:	Neurotrophin Signaling Pathway, Activation of Innate immune Response, Carbohydrate Homeostasis, Chromatin Binding, Regulation of Muscle Cell Differentiation, Toll-Like Receptors Cascades

Application Details

Application Notes:	Immunohistochemistry: 1:50-1:100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C

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Handling

Storage Comment:	Store at -20 °C for long term preservation (recommended). Store at 4 °C for short term use.

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